

Galvacoat

Excellence in Galvanizing

WEDGE



Hot Dip Galvanizing and Galvacoat
Paint System Specifically Designed to give
perfect adhesion to galvanized steel

GALVANIZING

(The word 'GALVANIZING' is rendered in large, bold, 3D block letters. The letters 'G', 'A', and 'L' are colored blue, green, and yellow respectively, matching the paint colors above. The letters 'V', 'A', 'N', 'I', 'Z', 'I', 'N', 'G' are a dark grey color with a metallic, textured appearance. The entire word is reflected on a glossy surface below it.)

DESCRIPTION

GALVACOAT® is a tough, single application polyurethane top coat specifically formulated to adhere to non-ferrous metals such as zinc.

TECHNICAL CHARACTERISTICS

Adhesion is the key!

Most standard paints are designed for use on ferrous metals. Zinc is a non-ferrous metal and therefore it requires special etch primers. GALVACOAT® was specially designed for non-ferrous metals thereby eliminating the need for these etch primers.

If the wrong paint system is applied it can react with the galvanizing to form a layer of salts which causes the paint to lose adhesion over a period of time.

GALVACOAT® adheres to the galvanizing and does not allow salts to form which means that for the life of the coating GT0 is achieved.

What is GT0?

This is a test that looks at the adhesion of paint to steel (BS3900; Part 6). In this test the paint is cross cut to leave small squares which when tape is applied over them will rip from the steel and attach to the tape if the adhesion is not good enough. GT0 is achieved when the tape cannot remove any paint from the steel.

Expected Lifetime of GALVACOAT®

Corrosivity Category	Expected Coating Lifetime (yrs)	
	*Coating thickness	
	60 microns dft	120 microns dft
C1 Interior: dry	>10	>15
C2 Interior: occasional condensation Exterior: rural	>8	>15
C3 Interior: high humidity, some air pollution Exterior: urban inland or mild coastal	>5	>10

*Recommended application thickness for given lifetimes.



Helmsdale Harbour - The Highlands, Scotland

ADVANTAGES

- ✓ Anti-graffiti properties
- ✓ Can be applied directly to freshly galvanized steel
- ✓ Can be easily applied on-site or in-house
- ✓ High volume of solids >60%
- ✓ No etch primers required
- ✓ Quick and easy to apply
- ✓ Retains its original colour to within 5% over a period of 20 years (possible to freshen up or touch up mechanical damage without significant colour variance)
- ✓ Specifically designed for Hot Dip Galvanized Steel
- ✓ Suitable for all spray systems and brush applications
- ✓ UV exposure resistance
- ✓ Available in all RAL and BS colours

Physical Properties

Density:	1.3 - 1.4
Solid content:	60% by volume
Theoretical yield:	7.5m ² /kg at 50 microns
Viscosity:	Thixotropic

Drying times

Dust free:	1hr
Tack free:	4hrs
Hard:	20hrs
Recoatible:	12hrs
Recommended thickness:	40-120 microns
Potlife:	6-8hrs at 20°



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**GALVANIZERS
ASSOCIATION**